

Appl. No.: 10/624,239
Amdt. Dated: July 23, 2004
Reply of Office action of April 23, 2004

Docket No. CONN-9503

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A self-aligning peep sight system for mounting on an archery bow for sighting a target, the peep sight system comprising:
a peep sight comprising:
a sight body having a thickness extending between a front face and rear face and a width; and
a sight aperture and a tether-securing aperture each extending from the front face to the rear face through [[a]] the thickness of the
sight body, the sight aperture adapted to allow a line of sight through the aperture when [[an]] the archery bow is fully drawn, and the tether-securing aperture adapted to removably receive and retain a first end portion of a tether substantially within the sight body.

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2. (Currently Amended) The system of claim 1, the peep sight further comprising:
a serving channel girdling the sight body substantially at the midpoint of its thickness, the serving channel adapted to accommodate at least one strand of a bowstring of [[an]] the archery bow; and
a serving hole extending through the width of the sight body connecting opposing serving channel portions, the serving hole adapted to receive a serving string there through, thereby facilitating serving of the peep sight in a secure, non-sliding fashion.

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3. (Currently Amended) The system of claim 1 further comprising a[[n]] two-piece interfacing clip comprising:
- a first side piece comprising:
- a first internal face;
- a first power cable channel in the first internal face; and
- a first tether channel in the first internal face; and
- a[[n]] separate opposing second side piece comprising:
- an opposing second internal face;
- an opposing second power cable channel in the second internal face; and
- an opposing second tether channel in the second internal face; [, the first side
- and the opposing second side each comprising a power cable channel
- and a tether channel,]
- wherein the opposing first and second power cable channels are adapted to
- removably receive and retain therein a portion of a power cable of [[an]] the
- archery bow, and wherein the opposing first and second tether channels are
- adapted to removably receive and retain therein a second end portion of a
- tether.

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4. (Currently Amended) The system of claim 1, further comprising [[a]] the tether having opposing first and second end portions, the first end portion comprising at least one integral, protruding retaining member, the first end portion removably coupled into the tether-securing aperture substantially within the sight body, and the second end portion adapted to be removably coupled substantially within an interfacing clip, such that when [[an]] the archery bow is moved into its fully drawn position, tension in the tether aligns the peep sight.

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5. (Currently Amended) A self-aligning peep sight system for mounting on an archery bow for sighting a target, the peep sight system comprising:

a[[n]] two-piece interfacing clip comprising:

a first side piece comprising:

a first internal face;

a first power cable channel in the first internal face; and

a first tether channel in the first internal face; and

a[[n]] separate opposing second side piece comprising:

an opposing second internal face;

an opposing second power cable channel in the second internal face;

and

an opposing second tether channel in the second internal face; [, the

first side and the opposing second side each comprising a

power cable channel and a tether channel,]

wherein the opposing first and second power cable channels are adapted to removably receive and retain therein a portion of a power cable of [[an]] the archery bow, and wherein the opposing first and second tether channels are adapted to removably receive and retain therein a second end portion of a tether.

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6. (Currently Amended) The system of claim 5, wherein the first side piece of the interfacing clip further comprises a first securing aperture in the first internal face and an alignment shaft protruding from the first internal face, and wherein the second side piece of the interfacing clip further comprises a second securing aperture in the second internal face and an alignment recess in the second internal face, the first and second securing apertures adapted to receive a fastener for removably coupling the first side and the second side together and the alignment shaft and recess adapted to align the opposing tether channels and the opposing power cable channels.
7. (Currently Amended) The system of claim 5, wherein the opposing tether channels each further comprise at least one integral, protruding tether retaining rib crosswise therein.
8. The system of claim 5, wherein each of the opposing tether channels is bent.

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9. (Currently Amended) The system of claim 5 further comprising a peep sight comprising:
a sight body having a thickness extending between a front face and rear face and a width; and
a sight aperture and a tether-securing aperture each extending from the front face to the rear face through [[a]] the thickness of the sight body, the sight aperture adapted to allow a line of sight through the aperture when [[an]] the archery bow is fully drawn and the tether-securing aperture adapted to removably receive and retain a first end portion of [[a]] the tether substantially within the sight body.
10. (Currently Amended) The system of claim 5 further comprising [[a]] the tether having opposing first and second end portions, the first end portion comprising at least one integral, protruding retaining member, the first end portion adapted to be removably coupled into a tether-securing aperture substantially within a sight body of a peep sight, and the second end portion removably coupled substantially within the opposing tether channels, such that when [[an]] the archery bow is moved into its fully drawn position, tension in the tether aligns the peep sight.

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11. (Currently Amended) A self-aligning peep sight system for mounting on an archery bow for sighting a target, the peep sight system comprising:
a solid, thermoplastic elastomer tether having opposing first and second end portions,
the first end portion comprising at least one integral, protruding retaining member, the first end portion adapted to be removably coupled into a tether-securing aperture substantially within a sight body of a peep sight, and the second end portion adapted to be removably coupled substantially within an interfacing clip, such that when [[an]] the archery bow is moved into its fully drawn position, tension in the tether aligns the peep sight.

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12. (Currently Amended) The system of claim 11, the [first end portion of the tether further] at least one integral, protruding retaining member comprising a first integral, protruding retaining member and a second integral, protruding retaining member separated by an integral, circumferential, curvilinear recess, the first retaining member adapted to removably retain the first end portion of the tether in a tether-securing aperture of [[a]] the peep sight when the self-aligning peep sight system is in use, the second retaining member adapted to removably retain the first end portion of the tether in the tether-securing aperture of the peep sight when the self-aligning peep sight system is not in use, and the circumferential, curvilinear recess adapted to removably couple to a retaining portion of the tether-securing aperture of the peep sight.

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13. (Currently Amended) The system of claim 11 further comprising [[a]] the peep sight

comprising:

[[a]] the sight body having a thickness extending between a front face and rear face

and a width; and

a sight aperture and [[a]] the tether-securing aperture each extending from the front

face to the rear face through [[a]] the thickness of the sight body, the sight

aperture adapted to allow a line of sight through the aperture when [[an]] the

archery bow is fully drawn, and the tether-securing aperture removably

receiving and retaining the first end portion of the tether substantially within

the sight body.

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14. (Currently Amended) The system of claim 11 further comprising a[[n]] two-piece

interfacing clip comprising:

a first side piece comprising:

a first internal face;

a first power cable channel in the first internal face; and

a first tether channel in the first internal face; and

a[[n]] separate opposing second side piece comprising:

an opposing second internal face;

an opposing second power cable channel in the second internal face;

and

an opposing second tether channel in the second internal face; [, the

first side and the opposing second side each comprising a

power cable channel and a tether channel,]

wherein the opposing first and second power cable channels are adapted to

removably receive and retain therein a portion of a power cable of

[[an]] the archery bow, and wherein the opposing first and second

tether channels removably receiving and retaining therein the second

end portion of the tether.

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15. (Currently Amended) A self-aligning peep sight system for mounting on an archery bow for sighting a target, the peep sight system comprising:
- a peep sight comprising:
- a sight body having a thickness extending between a front face and rear face and a width; and
- a sight aperture and a tether-securing aperture each extending from the front face to the rear face through [[a]] the thickness of the sight body, the sight aperture adapted to allow a line of sight through the aperture to the target when [[an]] the archery bow is fully drawn;
- a[[n]] two-piece interfacing clip comprising:
- a first side piece comprising:
- a first internal face;
- a first power cable channel in the first internal face; and
- a first tether channel in the first internal face; and
- a[[n]] separate opposing second side piece comprising:
- an opposing second internal face;
- an opposing second power cable channel in the second internal face;
- and
- an opposing second tether channel in the second internal face; [, the
- first side and the opposing second side each comprising a

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power cable channel and a tether channel,]

wherein the opposing first and second power cable channels are adapted to
removably receive and retain therein a portion of a power cable of
[[an]] the archery bow; and

a tether for positioning the peep sight in the aligned position where the line of sight is
allowed through the sight aperture to the target, the tether having opposing
first and second end portions, the first end portion comprising at least one
integral, protruding retaining member, the first end portion removably
coupled into the tether-securing aperture substantially within the sight body,
and the second end portion removably coupled substantially within the
opposing tether channels of the interfacing clip, such that when [[an]] the
archery bow is moved into its fully drawn position, tension in the tether aligns
the peep sight.

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16. (Currently Amended) The system of claim 15, the peep sight further comprising:
 - a serving channel girdling the sight body substantially at the midpoint of its thickness, the serving channel adapted to accommodate at least one strand of a bowstring of [[an]] the archery bow; and
 - a serving hole extending through the width of the sight body connecting opposing serving channel portions, the serving hole adapted to receive a serving string there through, thereby facilitating serving of the peep sight in a secure, non-sliding fashion.
17. (Currently Amended) The system of claim 15, wherein the first side piece of the interfacing clip further comprises a first securing aperture in the first internal face and an alignment shaft protruding from the first internal face, and wherein the second side piece of the interfacing clip further comprises a second securing aperture in the second internal face and an alignment recess in the second internal face, the alignment shaft inserted into the alignment recess, thereby aligning the opposing tether channels and the opposing power cable channels, and a fastener removably coupled into the first and second securing apertures, thereby removably coupling the first side piece of the interfacing clip to the second side piece of the interfacing clip.

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18. (Currently Amended) The system of claim 15, wherein each of the opposing tether channels is bent and comprises at least one integral, protruding tether retaining rib crosswise therein.
19. The system of claim 15, wherein the tether comprises a solid, thermoplastic elastomer tether.
20. (Currently Amended) The system of claim 15, the [first end portion of the tether further] at least one integral, protruding retaining member comprising a first integral, protruding retaining member and a second integral, protruding retaining member separated by an integral, circumferential, curvilinear recess, and the tether-securing aperture further comprising a press fit sleeve removably coupling the first and second retaining members and the circumferential, curvilinear recess.